

JFK
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FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number 09/837,860

Filing Date April 17, 2001

First Named Inventor James F. Kramer

Art Unit 2674

Examiner Name Xiao Min Wu

Attorney Docket Number IMMR-VT10013A

ENCLOSURES (check all that apply)☐ Fee Transmittal Form☐ Fee Attached☐ Amendment / Reply☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☐ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Reply to Missing Parts/
Incomplete Application☐ Reply to Missing Parts
under 37 CFR1.52 or 1.53☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a
Provisional Application☐ Power of Attorney, Revocation
Change of Correspondence Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) _____☐ Landscape Table on CD☐ After Allowance Communication to TC☐ Appeal Communication to Board
of Appeals and Interferences☐ Appeal Communication to TC
(Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☒ Other Enclosure(s)
(please identify below):Request for Supplemental Notice of
Allowance;Copies of IDS previously filed, postcard
and 1449 citing 53 pieces of art;
25 prior art references.**Remarks****SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm

Thelen Reid & Priest LLP

Signature

Printed Name

David B. Ritchie

Date

May 28, 2005

Reg.
No.

31,562

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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: James F. Kramer et al.
SERIAL NO.: 09/837,860 CONFIRMATION NO.: 7509
FILING DATE: April 17, 2001
TITLE: Interface for Controlling a Graphical Image
EXAMINER: Xiao Min Wu
ART UNIT: 2674

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR SUPPLEMENTAL NOTICE OF ALLOWANCE

Dear Sir:

It is respectfully requested that the Patent Office acknowledge the Information Disclosure Statement (IDS) as filed with the U.S. Patent Office on October 4, 2004. Please find a postcard dating receipt of the IDS by the PTO on October 4, 2004 (copies enclosed). We are providing paper copies of each foreign and non-patent publication. Additionally, please provide us with a supplemental Notice of Allowance for our records indicating the acknowledgement of the IDS.

Respectfully submitted
THELEN REID & PRIEST LLP

David B. Ritchie
Reg. No. 31,562

Dated: May 28, 2005

Thelen Reid & Priest LLP
P.O. Box 640640
San Jose, CA 95164-0640
Tel.: (408) 292-5800
Fax: (408) 287-8040



PLEASE STAMP AND RETURN TO SHOW RECEIPT OF:

In re Application of: **James F. Kramer et al.**

Serial No.: 09/837,860

Examiner:

Xiao Min Wu,

Filed: April 17, 2001

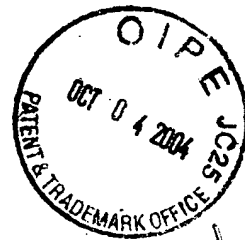
Art Unit:

2674

Confirmation No.: 7509

For: INTERFACE FOR CONTROLLING A GRAPHICAL IMAGE

1. Transmittal of Documents;
2. Reply Under 37 C.F.R. §1.111;
3. Information Disclosure Statement Transmittal;
4. Information Disclosure Statement;
5. Form PTO/SB/08A with CD-ROM containing electronic copies of (53) cited references;
6. Petition for One Month Extension of Time;
7. Check in the amount of \$290.00; and
8. One (1) Return receipt postcard.



Dated: October 4, 2004

Client/Matter No.: 302101-2164

Atty. Docket No.: IMMR-057/00US

Attorney/Secretary: PWM/mlj

216763 v1/RE

4N97011.DOC

Attorney Docket No. IMMR-057/00US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of James F. Kramer, et al.

Serial No.: 09/837,860

Examiner: Xiao Min Wu

Confirmation No.: 7509

Art Unit: 2674

Filed: April 17, 2001

For: INTERFACE FOR CONTROLLING A GRAPHICAL IMAGE

U.S. Patent and Trademark Office
220 20th Street S.
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INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.97(c)

In accordance with the duty of disclosure set forth in 37 C.F.R. §1.56,
Applicant(s) hereby submits the following information in conformance with 37 C.F.R.
§§1.97 and 1.98.

- ☒ Pursuant to 37 C.F.R. §1.98, an electronic copy of each document cited in the attached Form PTO/SB/08A is provided on the enclosed CD-ROM.
- ☐ No copies of the publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98(d) because the publications were previously cited by or submitted to the Office in prior Application Serial No. ___ to which the above-identified application claims priority under 35 U.S.C. §120.
- ☐ No copies of any U.S. patents or U.S. patent application publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98 because this application was filed after June 30, 2003.
- ☐ Publication(s) ___ listed on the attached Form PTO/SB/08A were cited in a foreign search or examination report corresponding to ___ application serial no. ___ and mailed on ___.
- ☐ Enclosed is a copy of a non-English publication(s) ___. Pursuant to §609 of the M.P.E.P., Applicant submits the attached foreign search or examination report, which cites such non-English language publication(s).

- ☐ Enclosed is a copy of a non-English publication(s) _____. English language publication ____ (copy enclosed) claims priority from this non-English publication.
- ☐ Enclosed is an explanation of non-English publication(s) _____ for which an English translation is not available.
- ☐ Enclosed is an English translation of non-English publication(s) _____ cited in the attached Form PTO/SB/08A.
- ☐ Enclosed is a copy of pending patent Application Serial No. _____.

This Information Disclosure Statement is filed after the period specified in 37 C.F.R. § 1.97(b), but before the mailing of:

- ☒ a final action under 37 C.F.R. §1.113;
- ☐ a notice of allowance under 37 C.F.R. §1.311; or
- ☐ an action that otherwise closes prosecution in this application.

In accordance with 37 C.F.R. §1.97(c) also enclosed is:

- ☒ Fee under 37 C.F.R. §1.17(p) in the amount of \$180.00; or
- ☐ Statement as specified in 37 C.F.R. §1.97(e):
 - ☐ Each item of information contained in the Information Disclosure Statement cited herein was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of the Information Disclosure Statement; or
 - ☐ No item of information contained in the Information Disclosure Statement submitted herewith was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, having made a reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing date of the Information Disclosure Statement.

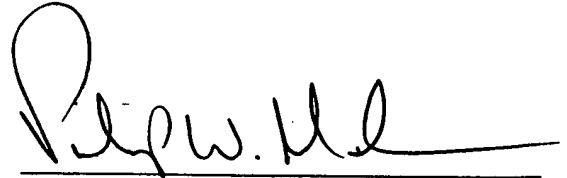
It is respectfully requested that the Examiner consider the above-noted information and return an initialed copy of the attached Form PTO/SB/08A to the undersigned.

Dated: October 4, 2004

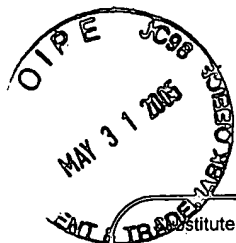
Cooley Godward LLP
ATTN: Patent Group
One Freedom Square
Reston Town Center
11951 Freedom Drive
Reston, VA 20190-5656
Tel: (703) 456-8000
Fax: (703) 456-8100

Respectfully submitted,
COOLEY GODWARD LLP

By:

A handwritten signature in dark ink, appearing to read 'Philip W. Marsh', written over a horizontal line.

Philip W. Marsh
Reg. No. 46,061



PTOO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet **1** of **4****Complete if Known**

Application Number	09/837,860
Filing Date	April 17, 2001
First Named Inventor	James F. Kramer
Art Unit	2674
Examiner Name	Xiao Min Wu
Attorney Docket Number	IMMR057/00US

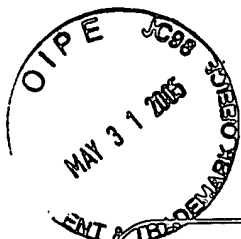
U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
		6,497,672	12/24/2002	Kramer	
		6,422,941	7/23/2002	Thorner et al.	
		6,413,229	7/02/2002	Kramer et al.	
		6,386,208	5/14/2002	Reid	
		6,160,489	12/12/2000	Perry et al.	
		6,111,577	8/29/2000	Zilles et al.	
		6,110,130	8/29/2000	Kramer	
		6,059,506	5/9/2000	Kramer	
		6,042,555	3/28/2000	Kramer	
		5,690,582	11/25/1997	Ulrich et al.	
		5,631,861	5/20/1997	Kramer	
		5,575,761	11/19/1996	Hajianpour	
		5,437,607	8/1/1995	Taylor	
		5,436,622	7/25/1995	Gutman et al.	
		5,283,970	2/8/1994	Aigner	
		5,186,695	2/16/1993	Mangseth et al.	
		5,184,319	2/2/1993	Kramer	
		5,175,459	12/29/1992	Danial et al.	
		5,165,897	11/24/1992	Johnson	
		5,022,384	6/11/1991	Freels	
		4,885,565	12/5/1989	Embach	
		4,484,191	11/20/1984	Vavra	
		4,464,117	8/7/1984	Foerst	
		4,333,070	6/1/1982	Barnes	
		4,262,549	4/21/1981	Schwellenbach	
		4,127,752	11/28/1978	Lowthorp	
		2,972,140	2/14/1961	Hirsch	
		2001/0043847	11/22/2001	Kramer	

Examiner
SignatureDate
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² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

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Sheet **2** of **4**

Complete if Known

Application Number	09/837,860
Filing Date	April 17, 2001
First Named Inventor	James F. Kramer
Art Unit	2674
Examiner Name	Xiao Min Wu
Attorney Docket Number	IMMR057/00US

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		JP	H2-185278		7/19/1990	Taito Corporation	
		JP	H4-8381		1/13/1992	Epoch Co. and Key- Planning Co.	
		JP	H7-24147		1/27/1995	Sega Corporation	
		JP	H5-192449		8/3/1993	Taito Corporation	

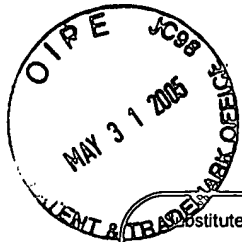
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 3 of 4

Complete If Known

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First Named Inventor	James F. Kramer
Art Unit	2674
Examiner Name	Xiao Min Wu
Attorney Docket Number	IMMR057/00US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		PATRICK, "Design, Construction, and Testing of a Fingertip Tactile Display for Interaction with Virtual and Remote Environments," <i>Master of Science Thesis</i> , MIT, Aug. 1990, archived Nov. 8, 1990.
		CALDER, "Design of A Force-Feedback Touch-Introducing Actuator For Teleoperator Robot Control," <i>Bachelor of Science Thesis</i> , MIT, May 1983, archived June 23, 1983.
		WIKER, "Teletouch Display Development: Phase 1 Report," <i>Technical Report 1230</i> , Naval Ocean Systems Center, San Diego, July 1988.
		BLISS, "Optical-to-Tactile Image Conversion for the Blind," <i>IEEE Transactions on Man-Machine Systems</i> , Vol. MMS-11, No. 1, March 1970.
		JOHNSON, "Shape-Memory Alloy Tactile Feedback Actuator," <i>Armstrong Aerospace Medical Research Laboratory</i> , AAMRL-TR-90-039, August, 1990.
		KONTARINIS et al., "Tactile Display of Vibratory Information in Teleoperation and Virtual Environments," <i>PRESENCE</i> , 4(4):387-402, Harvard Univ., 1995.
		AUKSTAKALNIS et al., "Silicon Mirage: The Art and Science of Virtual Reality," ISBN 0-938151-82-7, pp. 129-180, 1992.
		EBERHARDT et al., "Inducing Dynamic Haptic Perception by The Hand: System Description and Some Results," <i>DSC-Vol. 55-1, Dynamic Systems and Control: Volume 1</i> , ASME 1994.
		GOBEL et al., "Tactile Feedback Applied to Computer Mice," <i>International Journal of Human-Computer Interaction</i> , Vol. 7, No. 1, pp. 1-24, 1995.
		PIMENTEL et al., "Virtual Reality: through the new looking glass," 2 nd Edition; McGraw-Hill, ISBN 0-07-050167-X, pp. 41-202, 1994.
		"Cyberman Technical Specification," <i>Logitech Cyberman SWIFT Supplement to Logitech Mouse Technical Reference and Programming Guide</i> , 4/5/1994.
		OUHYOUNG et al., "The Development of A Low-Cost Force Feedback Joystick and Its Use in the Virtual Reality Environment," <i>Proceedings of the Third Pacific Conference on Computer Graphics and Applications, Pacific Graphics '95</i> , Seoul, Korea, 21-24 August 1995.
		KACZMAREK et al., "Tactile Displays," <i>Virtual Environment Technologies</i> , Chap. 9, pp. 349-414.
		LAKE, "Cyberman from Logitech," at http://www.ibiblio.org/GameBytes/issue21/greviews/cyberman.html , 1994.
		"Component Maintenance Manual With Illustrated Parts List, Coaxial Control Shaker Part No. C-25502," Safe Flight Instrument Corporation, Revised 28 January 2002 (3 pages).

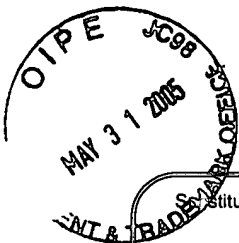
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **4** of **4**

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Art Unit	2674
Examiner Name	Xiao Min Wu
Attorney Docket Number	IMMR057/00US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		"Technical Manual Overhaul Instructions With Parts Breakdown, Coaxial Control Shaker Part No. C-25502," Safe Flight Instrument Corporation, Revised 15 July 1980 (23 pages).
		SCANNELL, "Taking a Joystick Ride," <i>Computer Currents</i> , Boston Edition, Vol. 9, No. 11, November 1994
		YAMAKITA et al., "Tele-Virtual Reality of Dynamic Mechanical Model," <i>Proceedings of the 1992 IEEE/RSJ International Conference on Intelligent Robots and Systems</i> , Raleigh, NC, July 7-10, 1992
		NOLL, "Man-Machine Tactile," <i>SID Journal</i> , July/August 1972 Issue.
		ROSENBERG, "Virtual Fixtures: Perceptual Overlays Enhance Operator Performance In Telepresence Tasks," <i>Ph.D. Dissertation</i> , Stanford University, June 1994.
		ZILLES, "A Constraint-Based God-Object Method for Haptic Display," Department of Mechanical Engineering, Artificial Intelligence Laboratory, Massachusetts Institute of Technology, undated.

Examiner
Signature

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